

Power Cost Memorandum Fuel and Purchased Power Cost Update

Date: **May 19, 2022**

Utility Name (Cert. No.) IGIUGIG VILLAGE COUNCIL (681)	Utility File No. PC23-1221A	Date Filed: April 18, 2022
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PCE AMOUNT SUMMARY	Previously Approved PC23-1221	Staff Recommended Amount(s) and Effective Date PC23-1221A
Class Rate	<u>Date Approved:</u> January 7, 2022	May 20, 2022
Residential	\$0.7047	\$0.7059
Community Facilities		
Up to 700 kWh	\$0.7047	\$0.7059
> 700 kWh	\$0.4897	\$0.4897
	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent

Prior Fuel Purchase Price: \$ 7.3855	New Fuel Purchase Price: \$ 7.3855
<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Signed: *Brenda Cox*
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 5/19/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<i>RMP</i>		
Kurber		<i>KK</i>		
Scott		<i>AGS</i> AGS		
Sullivan		<i>DS</i> DS		
Wilson		<i>JWW</i> JWW		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

IGIUGIG VILLAGE COUNCIL

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDED September 30, 2021

Fuel and Purchase Power Cost Update

	PC23-1221	PC23-1221A	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated and Purchased	326,404	326,404	326,404
B. Total kWh Sold (Appendix 2)	271,737	271,737	271,737
C. Total Non-Fuel Costs (Appendix 2)	76,190	76,190	76,190
D. Non-Fuel Cost/kWh (C / B)	\$0.2804	\$0.2804	\$0.2804
E. Total Fuel Cost and Purchased Power (Appendix 2)	179,796	180,147	180,147
F. Fuel Costs/kWh (E / B)	\$0.6617	\$0.6629	\$0.6629
G. Eligible Costs/kWh (D + F)	\$0.9420	\$0.9433	\$0.9433
H. Eligible Cost/kWh (G) Less 20.03 cents/kWh	\$0.7417	\$0.7430	\$0.7430
I. Lesser of (H) or 79.97 cents/kWh	\$0.7417	\$0.7430	\$0.7430
J. Average Class Rates (Appendix 3)			
Residential	\$0.7187	\$0.7187	\$0.7187
Community Facilities			
Up to 700 kWh	\$0.7187	\$0.7187	\$0.7187
> 700 kWhs	\$0.4897	\$0.4897	\$0.4897
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.7047	\$0.7059	\$0.7059
Community Facilities			
Up to 700 kWh	\$0.7047	\$0.7059	\$0.7059
> 700 kWhs	\$0.4897	\$0.4897	\$0.4897
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.7047	\$0.7059	\$0.7059
Community Facilities			
Up to 700 kWh	\$0.7047	\$0.7059	\$0.7059
> 700 kWhs	\$0.4897	\$0.4897	\$0.4897

PC23-1221A
Appendix 1

IGIUGIG VILLAGE COUNCIL

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY FOR TEST PERIOD ENDED September 30, 2021

Fuel and Purchase Power Cost Update

		PC23-1221	PC23-1221A
		Prior Commission Approval	Per Utility Staff Recommended
Non-Fuel Costs:			
A. Personnel Costs		42,813	42,813
B. Operating Expenses		9,836	9,836
C. General & Administrative		12,076	12,076
D. Depreciation		11,465	11,465
E. Interest Expense		-	-
F. Other (Describe)		-	-
G. Total Non-Fuel Costs		\$76,190	76,190
Fuel Costs:			
H. Gallons Consumed for Electric Generation		23,225	23,225
I. Price of Fuel: Actual*		\$7.3855	\$7.3855
J. Total Fuel Costs		\$171,528	\$171,528
K. kWh Purchased during test year		\$13,991	13,991
L. Weighted Average Cost per kWh		\$0.5910	\$0.6160
M. Total Purchased Power		\$8,268	\$8,619
N. Total Cost of Fuel and Purchased Power		\$179,796	\$180,147
O. kWh Sales		271,737	271,737
P. kWh Generated		312,413	312,413
kWh Purchased		13,991	13,991
Total Generated and Purchased		326,404	326,404
Q. kWh Station Service		15,483	15,483
R. Efficiency	Standard ≥ 10.5	13.45	13.45
S. Line Loss	≤ 12%	12.00%	12.00%
((kWh generated+kWh Purchased) -(kWh sales + Station Service))/(kWh generated+kWh Purchased)			
Alaska Air Fuel 11/29/21 Fuel	5.4095	Fuel Mark-Up	
AK State Refined Fuel Surcharge	0.0095	Surcharge O&M 9/30/21	2.1060
Fed LUST Fee	0.0010	Less R&R Surcharge	(0.2780)
AK Kenai SalesTax	0.0000	Delivery Mark-up 12/7/21	0.1375
Adjusted Fuel Mark-Up	1.9655	Fuel Mark-up Total	1.9655
*Total Fuel Cost and Mark-up	<u>\$7.3855</u>		

Staff notes Igiugig included the State motor fuel tax of \$0.08 in the cost per gallon of fuel on its Fuel Report. Staff removed the motor fuel tax from the amount reported to calculate the cost per gallon listed above. Staff removed it because fuel used by power plants for power generation are exempt and entitled to a refund of the motor fuel tax paid. (AS 43.40.015(d)(1), AS 43.40.030(d), and AS 43.40.100(C))

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Appendix 2

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

Customer Charge : \$5.00

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Customer Charge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500	0.9090	0.0100	0.9190	459.50	0.9190	0.7187
500				459.50	0.9190	0.7187
TOTAL						

Computation of Community Facilities Average Rate

Rate Schedule: Community Facilities

Customer Charge : \$5.00

	(1) Rate (\$/kWh)	(2) Customer Charge If Applicable (\$/kWh)	(3) Total Rate (\$/kWh) (A+B)	(4) Avg. Rate (\$/kWh) - 0.2003 /kWh
0 to 700	0.9090	0.0100	0.9190	0.7187
> 700 kWh	0.6900	0.0000	0.6900	0.4897

IGIUGIG VILLAGE COUNCIL

Power Purchased From
Igiugig Village Council
PO Box 4008
Igiugig, AK 99613

Invoice/

Check #	Date	kWh Purchased	per kWh charge	Amount	Month
3405	6/16/2021	944	0.5261	496.64	April
3405	6/16/2021	223	0.5854	130.54	May
3414	6/30/2021	484	0.6128	296.60	June
3414	7/31/2021	1,400	0.6057	848.01	July
3418	9/10/2021	420	0.6216	261.06	Aug
	9/30/2021	-	0.0000	-	Sept
	10/31/2021	-	0.0000	-	Oct
	11/30/2021	-	0.0000	-	Nov
	12/31/2021	-	0.0000	-	Dec
32682	1/31/2022	1,044	0.6184	645.61	Jan
3446	2/28/2022	5,106	0.6184	3,157.55	Feb
3453	4/15/2022	3,973	0.6388	2,538.12	Mar
Total		13,594		8,374.13	

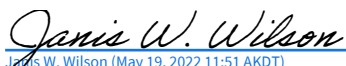
Total kWhs purchased	13,594
Total Paid	8,374.13
Cost per kWh	0.6160

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